Title (en)

TRANSMISSION FOR AN ON-LOAD TAP CHANGER

Title (de)

GETRIEBE FÜR EINEN LASTSTUFENSCHALTER

Title (fr)

MÉCANISME DE TRANSMISSION POUR UN COMMUTATEUR DE COUPURE À GRADINS

Publication

EP 3895193 A1 20211020 (DE)

Application

EP 19805237 A 20191114

Priority

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- EP 2019081287 W 20191114

Abstract (en)

[origin: WO2020120062A1] The invention relates to a transmission (G) for an on-load tap changer (S), which on-load tap changer has a motor (M) having an output shaft (ABW) and has a load transfer switch (LU) having an input shaft (ANW), the transmission (G) comprising: a cam (KS); a drive gear (ANZ); and a roller (R) coupled to the drive gear, wherein: the cam (KS) is connected to the output shaft (ABW) for conjoint rotation and the output shaft lies on an axis of rotation (RA1) of the cam (KS); the drive gear (ANZ) is connected to the input shaft (ANW) for conjoint rotation; the cam (KS) has an inner contour (IK) and an outer contour (AK), which inner contour and outer contour can be followed by the roller (R); the inner contour (IK) and the outer contour (AK) each have a first region (IKB1, AKB1) having a constant radius of curvature and a second region (IKB2, AKB2) in which the distance of the contour in question from the axis of rotation (RA) of the cam (KS) changes; during rotational motion of the cam (KS), the roller (R) follows the contours (IK; AK) in such a way that the roller follows a part of the first region of the outer contour (AKB1), thereafter a part of the second region of the outer contour (AKB2) and thereafter a part of the first region of the inner contour (IKB1).

IPC 8 full level

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